## Claim Status

Claim 1. (Previously Amended) A semiconductor package for three-dimensional mounting, comprising:

a first substrate having an upper surface on which a first metal pattern is formed and a lower surface on which a second metal pattern is formed, said first metal pattern and second metal pattern being electrically connected to each other;

a semiconductor chip which is placed on the upper surface of the first substrate and is electrically connected to the first metal pattern;

a sealing resin layer which is formed on the upper surface of the first substrate and seals the semiconductor chip and the first metal pattern;

a conductive wire which passes through the resin layer and has one end electrically connected to the first metal pattern and the other end exposed at a top surface of the resin layer, the exposed other end of said conductive wire and the top surface of the resin layer being substantially level with each other; and

a first electrode which is formed on the lower surface of the first substrate and is electrically connected to the second metal pattern.

Claim 2. (Original) A semiconductor package according to claim 1, wherein a solder ball is bonded to at least one of the other end of the conductive wire and the first electrode.

Claim 3. (Original) A semiconductor package according to claim 1, further comprising a second substrate placed on the surface of the resin layer, having an upper

AMENDMENT AFTER FINAL

surface and a lower surface opposite the upper surface, wherein the second substrate includes a third metal pattern which is electrically connected to the other end of the conductive wire from the lower surface of the second substrate, and a second electrode which is formed on the upper surface of the second substrate and is electrically connected to the third metal pattern.

Claim 4. (Original) A semiconductor package according to claim 3, wherein a solder ball is bonded to at least one of the first electrode at the first substrate and the second electrode at the second substrate.

Claim 5. (Original) A semiconductor package according to claim 1, further comprising:

a fourth metal pattern which is formed on the surface of the resin layer and is electrically connected to the other end of the conductive wire;

an insulating layer which covers the fourth metal pattern; and

an third electrode which is exposed from the insulating layer and is electrically connected to the fourth metal pattern.

Claim 6. (Original) A semiconductor package according to claim 2, further comprising:

a fourth wiring pattern which is formed on the surface of the sealing resin layer and is electrically connected to the other end of the conductive wire;

an external insulating layer which covers the fourth wiring pattern; and

AMENDMENT AFTER FINAL

an upper surface connecting electrode which is located on or near the surface of the external insulating layer and is electrically connected to the fourth wiring pattern.

Claim 7. (Original) A semiconductor package according to claim 3, wherein the first electrode and the second electrode are disposed at different positions in horizontal directions.

Claim 8. (Original) A semiconductor package according to claim 7, wherein a second semiconductor chip is stacked on the upper surface of the second substrate, the second semiconductor chip being electrically connected to the second electrode and having a function different from that of the semiconductor chip.

Claim 9. (Original) A semiconductor package according to claim 5, wherein the first electrode and the third electrode are disposed at different positions in horizontal directions.

Claim 10. (Original) A semiconductor package according to claim 9, wherein a third semiconductor chip is stacked on the upper surface of the second substrate, the third semiconductor chip being electrically connected to the third electrode and having a function different from that of the semiconductor chip.

Claim 11. (Original) A semiconductor device in which the semiconductor package for three-dimensional mounting of claim 1 is mounted on a mother board.

AMENDMENT AFTER FINAL

Claim 12. (Original) A semiconductor device in which a plurality of semiconductor packages of claim 1 are stacked.

Claim 13. (Original) A semiconductor device according to claim 12, wherein semiconductor chips of the semiconductor packages of the plurality of semiconductor packages, comprise memory elements.

Claims 14-23 (Previously Cancelled).

Claim 24. (Currently Amended) A semiconductor package for three-dimensional mounting, comprising:

a first substrate having an upper surface on which a first metal pattern is formed and a lower surface on which a second metal pattern is formed, said first metal pattern and second metal pattern being electrically connected to each other;

a semiconductor chip which is placed on the upper surface of the first substrate and is electrically connected to the first metal pattern;

a sealing resin layer which is formed on the upper surface of the first substrate and seals the semiconductor chip and the first metal pattern;

a conductive wire which passes through the resin layer and has one end electrically connected to the first metal pattern and the other end exposed at a top surface of the resin layer;

a first electrode which is formed on the lower surface of the first substrate and is electrically connected to the second metal pattern; and

AMENDMENT AFTER FINAL

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a wiring pattern formed over the sealing resin layer and being electrically connected to the conductive wire, said wiring pattern being comprised of at least a first wiring and a second wiring, said first wiring being disposed closer to a center of the semiconductor package than said second wiring is, and said second wiring being disposed closer toward a periphery of the semiconductor package than said first wiring is.

wherein said wiring pattern comprises a plurality of said first wirings, and a plurality of said second wirings, said first wirings and said second wirings being alternatingly arranged.

Claim 25. Please cancel without prejudice or disclaimer to the subject matter recited therein.

Claim 26. (Previously Added) A semiconductor package for three-dimensional mounting, comprising:

a first substrate having an upper surface on which a first metal pattern is formed and a lower surface on which a second metal pattern is formed, said first metal pattern and second metal pattern being electrically connected to each other;

a semiconductor chip which is placed on the upper surface of the first substrate and is electrically connected to the first metal pattern;

a sealing resin layer which is formed on the upper surface of the first substrate and seals the semiconductor chip and the first metal pattern;

AMENDMENT AFTER FINAL

a conductive wire which passes through the resin layer and has one end electrically connected to the first metal pattern and the other end exposed at a top surface of the resin layer;

a first electrode which is formed on the lower surface of the first substrate and is electrically connected to the second metal pattern;

a wiring pattern formed over the sealing resin layer and being electrically connected to the conductive wire, said wiring pattern being comprised of Cu; and

a second electrode formed on the wiring pattern, the second electrode including an Ni layer in electrical connection with the wiring pattern, and an Au layer disposed on the Ni layer.

AMENDMENT AFTER FINAL